

What is claimed is:

1. A data recording apparatus that sequentially inputs data configured in units that cannot be recorded across different files and records the data in a file having a predetermined volume, comprising:

size detecting means for deciding when data is sequentially recorded in file, whether next unit of the data to be recorded can be fully recorded in the same file, or not;

file creation controlling means for recording said next data to be recorded in another file or stopping recording if the case where the result of the decision by said size detecting means shows that recording is not possible; and

file writing means for writing data in a file according to the control from said file creation controlling means.

2. A data recording apparatus that records data in a file comprising:

detecting means for detecting a change of a property attached to said data;

file recording controlling means for recording data in said plurality of files or stopping recording according to said change of the property; and

file writing means for writing data in a file according to the control from said file creation controlling means.

3. The data recording apparatus according to claim 2, wherein said property is image mode information and

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said file recording controlling means records data by switching to another file as a file in which said data is to be recorded or stops recording when the content of said image mode information changes.

4. The data recording apparatus according to claim 2, wherein said property is voice mode information and said file recording controlling means records data by switching to another file as a file in which said data is to be recorded or stops recording when the content of said voice mode information changes.

5. The data recording apparatus according to claim 2, wherein said property is copyright information and said file recording controlling means records data by switching to another file as a file in which said data is to be recorded or stops recording when the content of said copyright information changes.

6. The data recording apparatus according to claim 5, wherein said copyright information means at least COPY FREE, COPY ONCE or COPY NEVER or COPY NO MORE of said data and

in the case of COPY ONCE, the copyright information is rewritten as prohibition of reproduction before data recording.

7. A data recording apparatus that records data in a file comprising:

detecting means for detecting a change of a property attached to said data;

file recording controlling means for converting the property of said data to the previous property and recording data in said file when said detecting means detects a change of the property; and

file writing means for writing data in a file according to the control from said file creation controlling means.

8. The data recording apparatus according to claim 7, wherein said property is image mode information and said file recording controlling means converts the content of said data to the image mode information before the content is changed and records data in said file when the content of said image mode information changes.

9. The data recording apparatus according to claim 7, wherein said property is voice mode information and said file recording controlling means converts the content of said data to the voice mode information before the content is changed and records data in said file when the content of said voice mode information changes.

10. A data recording apparatus that records data inputted in file units in another file, comprising:

detecting means for detecting the type of a property attached to said data;

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file recording controlling means for when said detecting means detects a plurality of types of property in one file, converting and unifying properties of all data that belongs to the file to a property of one of the plurality of types of property and recording the data in a new file; and

file writing means for writing data in a file according to the control from said file creation controlling means.

11. The data recording apparatus according to claim 10, wherein said property is image mode information.

12. The data recording apparatus according to claim 10, wherein said property is voice mode information.

13. A data recording apparatus that sequentially inputs data configured in units that cannot be recorded across different recording areas and records the data as a file in a recording area having a predetermined volume, comprising:

size detecting means for deciding when data is sequentially recorded in the recording area whether next unit of the data to be recorded can be fully recorded in the same recording area, or not;

file creation controlling means for recording said next data to be recorded in another recording area or stopping recording if the result of the decision by said size detecting means shows that recording is not possible; and

file writing means for writing data in a file according to the control from said file creation controlling means.

14. A medium carrying a program and/or data to make a computer execute all or some functions of all or some means of the data recording apparatus of the present invention according to one of claims 1 to 13 and that can be processed by a computer.

15. An information package that is a program and/or data to make a computer execute all or some functions of all or some means of the data recording apparatus of the present invention according to one of claims 1 to 13.

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